

IN THE CLAIMS

1. (currently amended) A flow through cell for use in a spectrophotometer for analysis of dissolved chemical substances in a flowing liquid stream, comprising

a plurality of body members including an intermediate body member located between two other body members, the plurality of body members being clamped together and providing a small volume flow through passage,

a resilient sealing gasket located between facing surfaces of the intermediate body member and, respectively, each of the two other body members,

wherein a ~~part~~ first portion of the flow through passage comprises a hole through the intermediate body member together with a liquid inlet region at one end of the hole and a liquid outlet region at the other end of the hole,

wherein each gasket includes a gallery aligned with respective adjacent ends of said hole which provides said first portion of the flow through passage,

wherein the two other body members are each associated with an optically transparent window aligned with a respective end of the hole through the intermediate body member thereby providing an optical pathway through said ~~part~~ first portion of the flow through passage,

wherein the liquid inlet and liquid outlet regions are provided by respectively, a an inlet portion and an outlet portion of the flow through passage through which liquid flows into or out of a said region substantially immediately adjacent the optically transparent window transversely of the direction of the hole.

2. (canceled)

3. (previously presented) A flow through cell as claimed in claim 1 wherein the gallery in the gasket on an inlet side of the flow through passage is in the form generally of a spiral.

4. (original) A flow through cell as claimed in claim 1 wherein each of said other two body members includes a gallery which provides said inlet and outlet portion of the flow through passage.

5. (original) A flow through cell as claimed in claim 4 wherein at least the intermediate body member, or at least each of the other two body members is resilient to provide for sealing contact between adjacent body members.

6. (previously presented) A flow through cell as claimed in claim 1 wherein the optically transparent window associated with each of the other two body members is a window assembly sealingly mounted within a hole in a body member.

7. (previously presented) A flow through cell as claimed in claim 1 wherein the optically transparent window associated with each of the other two body members is provided by respectively a transparent plate sandwiched between the intermediate body member and one of the other body members.

8. (previously presented) A flow through cell as claimed in claim 1 wherein the body members are of rectangular parallelepiped shape.

9. (previously presented) A flow through cell as claimed in claim 1 wherein the body members are clamped together by screw fasteners.

10. (original) A flow through cell as claimed in claim 9 wherein the screw fasteners pass through holes in one of the other body members and the intermediate body member and engage in threaded holes in the other body member.

11. (previously presented) A flow through cell as claimed in claim 1 wherein the flow through passage includes another ~~part~~ portion located between further optically transparent windows associated with the two other body members thereby defining a second optical pathway.

12. (original) A flow through cell as claimed in claim 11 wherein the second optical pathway is shorter than the first defined optical pathway.

13. (previously presented) A flow through cell as claimed in claim 1 wherein the body members also provide an optical pathway separated from the flow through passage for a reference beam to be passed through the cell.

14. (canceled)

15. (canceled)